

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An electric filter comprising a plurality of thin film bulk acoustic resonators (FBARs) each comprising a thin layer of piezoelectric material sandwiched between ~~two metal electrodes~~ a top electrode and a bottom electrode, the plurality of FBARs being linked in a series/parallel connection arrangement for which the areas of the electrodes in contact with the piezoelectric layer to form the resonators are different between in series and in parallel FBARs, and wherein:

all the FBARs are disposed on one substrate; substrate; and
the top electrode has a coplanar wave-guide structure.

2. (Original) An electric filter as described in claim 1, wherein the thickness of the piezoelectric material is different between the in series and in parallel FBARs.

3. (Previously Presented) An electric filter as described in claim 1, wherein the areas of the electrodes for the FBARs linked in series are adjusted so that their series resonance frequency is the same as the parallel resonance frequency of the FBARs linked in parallel.

4. (Previously Presented) An electric filter as described in claim 1, wherein the piezoelectric material is zinc oxide.

5. (Previously Presented) An electric filter as described in claim 1, wherein the piezoelectric material is substantially comprised of lead titanate zirconate.

6. (Previously Presented) An electric filter as described in claim 1, wherein the piezoelectric material is aluminum nitride.

7. (Previously Presented) An electric filter as described in claim 1, wherein the piezoelectric material is substantially comprised of lead scandium tantalum oxide.

8. (Previously Presented) An electric filter as described in claim 1, wherein the piezoelectric material is substantially comprised of bismuth sodium titanium oxide.

9. (Currently Amended) An electric filter as described in claim 1, wherein the metal-electrodes comprise gold.

10. (Currently Amended) An electric filter as described in claim 1, wherein the metal-electrodes comprise aluminum.

11. (Currently Amended) An electric filter as described in claim 1, wherein the metal-electrodes comprise platinum.

12. (Previously Presented) An electric filter as described in claim 1, wherein two FBARs are linked in series and two FBARs are linked in parallel.

13. (Previously Presented) An electric filter as described in claim 1, wherein three FBARs are linked in series and three FBARs are linked in parallel.

14. (Previously Presented) An electric filter according to claim 1, wherein the piezoelectric material of FBARs in parallel is thicker than that of FBARs in series.

15. (Previously Presented) An electric filter according to claim 1, wherein the area of electrodes of FBARs in parallel is greater than that of FBARs in series.

16-17. (Canceled)